

PCT/NL 03/00271

According to International Patent Classification (IPC) or to both national classification and IPC

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
------------	--	-----------------------

Y	PATENT ABSTRACTS OF JAPAN vol. 017, no. 407 (M-1454), 29 July 1993 (1993-07-29) & JP 05 079304 A (HITACHI LTD), 30 March 1993 (1993-03-30) abstract	1-3,5
Y	WO 94 01657 A (TAYLOR ALAN) 20 January 1994 (1994-01-20) page 10, line 9 -page 11, line 2 page 15, line 20 - line 28; figures	1-3,5
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 487 (M-778), 20 December 1988 (1988-12-20) & JP 63 208624 A (MITSUI ENG & SHIPBUILD CO LTD), 30 August 1988 (1988-08-30) abstract	1-3

— / —

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

^a Special categories of cited documents :

- "A"** document defining the general state of the art which is not considered to be of particular relevance
- "E"** earlier document but published on or after the international filing date
- "L"** document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O"** document referring to an oral disclosure, use, exhibition or other means
- "P"** document published prior to the international filing date but later than the priority date claimed

*T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

'&' document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

11 July 2003

29/07/2003

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Van Ghee1, J

INTERNATIONAL SEARCH REPORT

PCT/NL 03/00271

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 826 772 C (INTERNAT COMB HOLDINGS LTD) 3 January 1952 (1952-01-03) page 2, line 40 - line 92; figure 1 ----	1-4,8
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) & JP 2000 297657 A (ISHIKAWAJIMA HARIMA HEAVY IND CO LTD), 24 October 2000 (2000-10-24) abstract -----	1-3
A	US 6 003 298 A (HORNER MICHAEL W) 21 December 1999 (1999-12-21) abstract; figures -----	1-3,5
A	FR 1 033 897 A (BROWN) 16 July 1953 (1953-07-16) page 2, left-hand column, paragraph 3 -right-hand column, paragraph 4; figures 1,2 -----	1-3,5

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/NL 03/00271

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 05079304	A	30-03-1993	NONE	
WO 9401657	A	20-01-1994	US 5373698 A AU 4650193 A WO 9401657 A1	20-12-1994 31-01-1994 20-01-1994
JP 63208624	A	30-08-1988	NONE	
DE 826772	C	03-01-1952	NONE	
JP 2000297657	A	24-10-2000	NONE	
US 6003298	A	21-12-1999	NONE	
FR 1033897	A	16-07-1953	CH 278727 A GB 679007 A NL 75236 C	31-10-1951 10-09-1952